

OUT60360

1966 NOV 10 01 51Z

P 100123Z NOV 66

FM NPIC WASHDC

TO RUCSAAA/SAC OFFUTT AFB OMAHA NEB

RUCVAAA/4080 STRAT WG OL 19 BARKSDALE AFB LA

RUCVAAA/2D RTS BARKSDALE AFB LA

RUEKDA/DIA WASHDC

RUECYH/NAVRECONTECHSUPPCEN SUITLAND MD

RUEPIA/CIA WASHDC

RUWBKN/15TH AF MARCH AFB RIVERSIDE CALIF

RUCVAAA/2 AF BARKSDALE AFB LA

BT

S E C R E T CITE NPIC 9024.

15TH AF (FOR DI), SAC (FOR DIM/GLASS LAMP/DOCR, DM 4)

2D AF (FOR DI).

1. CAMERA B-15 WAS USED IN MISSION G 923 FLOWN ON 7 NOVEMBER 1966. PROCESSING WAS ACCOMPLISHED BY NAV RECON TECH SUPPCEN.

2. ORIGINAL NEGATIVE:

A. THE DENSITY IS NORMAL AND THE RESOLUTION IS GOOD.

B. 9R SIDE: THERE IS FOG ALONG THE OUTBOARD EDGE

-2-

THROUGH-OUT THE FIRST HALF OF THE MISSION. MINOR PINHOLES WERE NOTED IN ISOLATED INSTANCES AND POST-PROCESSING ABRASIONS WERE DETECTED IN FRAME 0207. A HEAT SPLICE IS LOCATED IN FRAME 1074.

C. 9L SIDE: THE RESULT OF ELECTRICAL DISCHARGES IS PRESENT ALONG BOTH EDGES OF THE FILM. THE VERTICAL INDICATOR DOT IS IRREGULAR IN SHAPE. THERE ARE HEAT SPLICES IN FRAMES 0247 AND 1022 AND BETWEEN FRAMES 1400 AND 1401. FRAME 0247 ALSO CONTAINS A REPAIRED TEAR. A MANUFACTURING SPLICE IS LOCATED IN FRAME 1751.

D. BOTH SIDES: A LIGHT LEAK OF UNDETERMINED ORIGIN DEGRADES APPROXIMATELY 25 PERCENT OF EACH FRAME THROUGHOUT THE MISSION. THE RESULTS OF THE LIGHT LEAK ARE LOCATED ALONG THE DATA BLOCK EDGE WHERE THE NEGATIVES CONTAIN AREAS OF MAXIMUM DENSITY. THE DATA BLOCK HOUSING APPEARS TO PREVENT FOGGING IN THE IMMEDIATE AREA OF THE DATA BLOCK, HOWEVER THE CAMERA POSITION INDICATOR IS NOT READABLE. THE FOGGING IS SLIGHTLY MORE PRONOUNCED ON THE 9R SIDE THAN THE 9L SIDE. AN ADDITIONAL ANOMALY, PROBABLY ASSOCIATED WITH THE LIGHT LEAK, IS A SERIES OF CONCENTRIC CIRCLES OF VARYING DENSITIES ABOUT

-3-

THE PRINCIPAL POINT OF THE FORMAT. THESE CIRCLES APPEAR TO BE REFLECTIONS FROM THE REAR ELEMENT OF THE LENS OR A SHADOW-GRAPH OF THE CONTOURED PLATEN. THESE CIRCLES DEGRADE THE IMAGERY AN ADDITIONAL FIVE PERCENT. THERE ARE ALSO LONGITUDINAL LINES OF VARYING DENSITY, SPACED APPROXIMATELY 0.5 INCH THROUGHOUT THE ENTIRE MISSION. THESE LINES ARE MUCH MORE PROMINENT ON THE 9L SIDE AND HAVE THE APPEARANCE OF BAS-RELIEF. IN ADDITION TO THE MAJOR LIGHT LEAK THERE ARE A SERIES OF PLUS DENSITY LINES EXTENDING ACROSS THE FILM FROM EDGE TO EDGE IN ALL FRAMES. THESE LINES ARE RECORDED 12.0 INCHES FROM THE TAKE-UP ON THE 9L SIDE AND 2.75 INCHES FROM THE TAKE-UP ON THE 9R SIDE. THERE WAS AN ISOLATED INSTANCE OF SMEAR INDUCED BY THE RATE OF VEHICLE ROLL IN FRAME 1025. THERE ARE A TOTAL OF 2134 TITLED FRAMES ON THIS MISSION.

E. ASIDE FROM THE LIGHT LEAKS DESCRIBED ABOVE THERE WERE NO CAMERA MALFUNCTIONS OR PROCESSING ANOMALIES ON THIS MISSION.

3. POSITIVE:

A. THE PI SUITABILITY IS GOOD EXCEPT WHERE DEGRADED BY FOG, CONCENTRIC CIRCLES AND LONGITUDINAL LINES. IT IS

- 4 -

ESTIMATED THAT THE LIGHT LEAK CAUSED A 30 PERCENT LOSS IN INTELLIGENCE VALUE ON THIS MISSION, PARTICULARLY WHERE STEREO-SCOPIC COVERAGE WAS REQUIRED FOR THE READOUT.

B. PRINTING AND PROCESSING WERE GOOD.

C. CLOUDS OBSCURRED OR DEGRADED APPROXIMATELY 55 PERCENT OF THE MISSION PHOTOGRAPHY.

GP-1

S E C R E T

END OF MESSAGE